CLAIMS

1. A treated pigment produced by treating at least one pigment selected from the group consisting of organic pigments and carbon black each having a functional group reactive with a carbodiimide group with a carbodiimide compound having one or more carbodiimide groups,

said carbodiimide compound having, within the molecule thereof, at least one side chain selected from the group consisting of polyester side chains, polyether side chains and polyacrylic side chains, with a carbodiimide equivalent of 100 to 50,000.

2. The treated pigment according to Claim 1,

wherein the carbodiimide compound is one resulting from intramolecular introduction of at least one side chain selected from the group consisting of polyester side chains, polyether side chains and polyacrylic side chains each having a functional group reactive with a carbodiimide group by reaction of the side chain with the carbodiimide group.

3. The treated pigment according to Claim 1,

wherein the carbodiimide compound is one resulting from reaction between a compound having a functional group reactive with a carbodiimide group and the carbodiimide group, followed by intramolecular introduction of a compound forming at least one species selected from the group consisting of polyester side chains, polyether side chains and polyacrylic side chains.

4. The treated pigment according to Claim 2 or 3,

wherein the carbodiimide compound is one resulting from intramolecular introduction of the side chain having a carboxyl group, sulfonic acid group, phosphoric acid group,

hydroxyl group or amino group as the functional group reactive with a carbodiimide group.

5. The treated pigment according to any one of Claims 1 to 4,

wherein the side chain is a chain having a formula weight of 200 to 10,000.

6. The treated pigment according to any one of Claims 1 to 5,

wherein the organic pigment or carbon black having a functional group reactive with a carbodiimide group has at least one functional group selected from the group consisting of a carboxyl group, sulfonic acid group, hydroxyl group and amino group.

7. A pigment dispersion composition

which comprises the treated pigment according to any one of Claims 1 to 6.

8. A pigment dispersion-based resist composition

which comprises the treated pigment according to any one of Claims 1 to 6.

9. A compound for treating an organic pigment or carbon black having a functional group reactive with a carbodiimide group

which is a carbodiimide compound having, within the molecule, at least one side chain selected from the group consisting of polyester side chains, polyether side chains and polyacrylic side chains and has a carbodiimide equivalent of 100 to 50,000.